	Search Text	DBs
1	(computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link))) or (((375/219 or 375/220 or 375/221 or 375/222 or 375/224 or 375/257 or 375/295 or 375/316).ccls.) and computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link)))	USPAT; EPO; JPO; DERWENT; IBM_TDB
2	((computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link))) or (((375/219 or 375/220 or 375/221 or 375/222 or 375/224 or 375/257 or 375/295 or 375/316).ccls.) and computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link)))) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
3	modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (communication or link)) and (@rlad<19991207 or @ad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
4	modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (communication or link)) and "a/d" and (@rlad<19991207 or @ad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
5	modem with port	USPAT; EPO; JPO; DERWENT; IBM_TDB
6	modem with ports	USPAT; EPO; JPO; DERWENT; IBM_TDB
7	(modem with ports) and ("a/d")	USPAT; EPO; JPO; DERWENT; IBM_TDB
8	(modem with ports) and ("a/d") and (test or tester or testing) and portable	USPAT; EPO; JPO; DERWENT; IBM_TDB
9	(modem with ports) and ("a/d") and (test or tester or testing) and portable and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB

	Search Text	DBs
10	(modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (communication or link)) and (@rlad<19991207 or @ad<19991207)) or ((modem with ports) and ("a/d") and (test or tester or testing) and portable and (@ad<19991207 or @rlad<19991207) and (375/???.ccls.))	USPAT; EPO; JPO; DERWENT; IBM_TDB
11	(modem with ports) and ("a/d") and (test or tester or testing) and portable and (@ad<19991207 or @rlad<19991207) and (375/???.ccls.)	USPAT; EPO; JPO; DERWENT; IBM_TDB
12	(modem with ports) and ("a/d") and (modem with (test or tester or testing)) and portable and (@ad<19991207 or @rlad<19991207) and (375/???.ccls.)	USPAT; EPO; JPO; DERWENT; IBM_TDB
13	(modem with ports) and ("a/d") and (modem with (test or tester or testing)) and portable and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
14	("a/d") and (modem with (test or tester or testing) with (portable or small)) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
15	("a/d") and (modem with (test or tester or testing) same (portable or small)) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
16	("a/d") and ((modem or communication) with (test or tester or testing) same (portable or small)) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
17	("a/d") and (modem with (test or tester or testing)) and portable and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
18	(modem with (test or tester or testing) with portable) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
19	((modem adj (test or tester or testing)) with portable) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
20	((modem near2 (test or tester or testing)) with portable) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB

	Search Text	DBs
21	((modem near5 (test or tester or testing)) with portable) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
22	(modem near5 (test or tester or testing)) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
23	(modem adj (test or tester or testing)) and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
24	(modem adj (test or tester or testing)) and a/d and (@ad<19991207 or @rlad<19991207)	USPAT; EPO; JPO; DERWENT; IBM_TDB
25	("4654861" | "5005197" | "5732124" | "5754594" | "5832058" | "5970089" | "5982852" | "6023493").PN.	USPAT
26	("4112264" | "4385384" | "4951309" | "5072370" | "5148435" | "5333152" | "5715174" | "5764694" | "5802280" | "5815652" | "5943391" | "6044476").PN.	USPAT
27	("4112264" | "4385384" | "4951309" | "5072370" | "5148435" | "5333152" | "5715174" | "5764694" | "5802280" | "5815652" | "5943391" | "6044476").PN.	USPAT
28	("5008923" | "5359656" | "5408614" | "5512898" | "5579305" | "5644594" | "5659581").PN.	USPAT
29	port with ((two or "2") adj connect$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
30	(((computer adj port) or hub$1 or router$1) with ((two or "2") adj connect$4) with modem$1) and test$3 and (@ad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
31	(375/???).ccls. and ((hub$1 or router$1) with modem$1 with computer$1) and test$3 and (@ad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
32	((hub$1 or router$1) with modem$1 with computer$1) and test$3 and (@ad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
33	((hub$1 or router$1) with modem$1 with computer$1) and (modem$1 with test$3) and (@ad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text	DBs
34	((hub$1 or router$1) with modem$1 with computer$1) and (modem$1 with test$3) and (@ad<19991207 or @prad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
35	(modem$1 with computer$1) and (modem$1 with test$3) and (@ad<19991207 or @prad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
36	(modem$1 with computer$1) and (modem$1 with test$3) and (multiconnect$4 or multi-connect$4) and (@ad<19991207 or @prad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
37	5764694.URPN.	USPAT
38	("5008923" | "5359656" | "5408614" | "5512898" | "5579305" | "5644594" | "5659581").PN.	USPAT
39	6195414.URPN.	USPAT
40	("4654861" | "5005197" | "5732124" | "5754594" | "5832058" | "5970089" | "5982852" | "6023493").PN.	USPAT
41	modem$1 adj test$4 adj "in" adj network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
42	modem$1 adj test$4 adj "with" adj (router$1 or hub$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
43	modem$1 near2 test$4 near2 "in" near2 network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
44	modem$1 near2 test$4 near2 "with" near2 (router$1 or hub$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
45	modem$1 with test$4 with "in" with network	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
46	modem$1 with test$4 with "with" with (router$1 or hub$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
47	702/???.ccls. and real	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
48	700/???.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Search Text	DBs
49	700/???.ccls. and real	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
50	((375/219 or 375/220 or 375/221 or 375/222 or 375/224 or 375/257 or 375/295 or 375/316).ccls.) and computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link))	USPAT
51	((375/219 or 375/220 or 375/221 or 375/222 or 375/224 or 375/257 or 375/295 or 375/316).ccls.) and computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link))	USPAT
52	modem$1 with test$4 with "in" with network and (@ad<19991207 or @rlad<19991207)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
53	modem$1 with test$4 with data with compar$5 and @ad<19991207	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
54	4351059.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
55	computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (commuincation or link))	USPAT; EPO; JPO; DERWENT; IBM_TDB
56	702/???.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
57	computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (communication or link))	USPAT; EPO; JPO; DERWENT; IBM_TDB
58	(702/182 or 702/183 or 702/185 or 702/186 or 702/188 or 375/219 or 375/220 or 375/221 or 375/222 or 375/224 or 375/257 or 375/295 or 375/316).ccls. and computer and modem and (portable near2 modem) and (test or tester) and ((alternative or second) with (communication or link))	USPAT; EPO; JPO; DERWENT; IBM_TDB

US-PAT-NO: 4271513

DOCUMENT-IDENTIFIER: US 4271513 A
See image for Certificate of Correction

TITLE: Method and apparatus for carrying out loopback test

---------- KWIC ---------

Detailed Description Text - DETX (6):
In the data communication system, for example, the data communication system illustrated in FIG. 1A, the loopback test is carried out to find the position where trouble has occurred in this system. When the loopback test is carried out in the system, a first data communication station, for example, the central processing unit 11, transmits a test signal to a second data communication station, for example, the modem 12-2. Then the modem 12-2 sends back the received test signal to the central processing unit 11. The unit 11 compares the test signal which was transmitted therefrom and the test signal which is sent back from the modem 12-2. If the two test signals coincide with each other, the unit 11 determines that there is no trouble between the unit 11 and the modem 12-2. In contrast, if the two test signals do not coincide with each other, the unit 11 determines that the trouble occurs therebetween. As previously mentioned, there are two methods for carrying out the loopback test. However, these two methods contain the aforesaid various kinds of disadvantages.

US-PAT-NO: 5448616

DOCUMENT-IDENTIFIER: US 5448616 A

TITLE: Integrated bit error rate test function in analog channel unit of digital cellular network

---------- KWIC ---------

Claims Text - CLTX (13):
a receiver processor coupled to the modem for receiving the test pattern from the modem and coupled to the transmit processor for receiving the test pattern from the transmit processor, the receiver processor comparing the test pattern received from the transmit processor to the test pattern received from the modem to determine a bit error rate based on the comparison.

18, 20, 24 20, 28

US-PAT-NO: 6523233

DOCUMENT-IDENTIFIER: US 6523233 B1

TITLE: Method and apparatus for telephone network impairment detection and compensation in signal transmission between modems

---------- KWIC ---------

Brief Summary Text - BSTX (19):
According to the present invention, a first modem (acting as a transmitting modem), coupled to a second modem (acting as a receiving modem) by a telephone network, computes analog and digital impairment before establishing an actual data transmission session. The transmitting modem (typically a digital modem) sends a digital test signal to the receiving modem. The received test signal is analyzed and total network impairment (analog and digital combined) in the telephone network is determined by comparing the transmitted test signal to the received test signal and identifying any differences (for example miscoding). The received signal has an analog component and a digital component.

Detailed Description Text - DETX (2):
FIG. 1 is a flow-chart depicting generally the steps involved in the implementation of the present invention. Before a data transmission occurs from a transmitting modem to a receiving modem coupled via a telephone network, a known digital test signal is sent over the transmission path between the two modems established by a typical telephone network (step 401). Next, in step

403, the test signal received at the receiving modem (having both an analog and digital component) is analyzed and the total network impairment (combined analog and digital impairment) is determined by comparing the known coding of the transmitted test signal and the coding of the received test signal.